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NOV 24 2006
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26294 7590 08/22/2006
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1300 EAST NINTH STREET, SUITE 1700
CLEVEVLAND, OH 44114
11/27/2006 HGUTEMR2 00000067 10005049

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Lisa J. Bradley

(Depositor's name)

Lisa J. Bradley

(Signature)

11/22/06

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/005,049	12/04/2001	Stuart T. Linsky	22-0149	9203

TITLE OF INVENTION: DECISION DIRECTED PHASE LOCKED LOOPS (DD-PLL) WITH EXCESS PROCESSING POWER IN DIGITAL COMMUNICATION SYSTEMS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	11/22/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
GHULAMALI, QUTBUDDIN	2611	375-327000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).	2. For printing on the patent front page, list <input type="checkbox"/> (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, <input type="checkbox"/> (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.	1 <u>Tarolli, Sundheim,</u> 2 <u>Covell & Tummino LLP</u> 3 _____
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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Northrop Grumman Corporation

Los Angeles, CA

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

- Issue Fee
 Publication Fee (No small entity discount permitted)
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- a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Authorized Signature Christopher P. Harris

Date 11/22/06

Typed or printed name Christopher P. Harris

Registration No. 43,660

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